

## **REMARKS**

### **I. Status of Claims**

Prior to entry of this paper, Claims 1-44 were pending. Claims 1-44 were rejected. In this paper, Claims 1, 21, 29, and 41 are amended. Claims 1-44 remain pending. No new matter is added by way of this amendment. For at least the following reasons, it is respectfully submitted that each of the pending claims is in condition for allowance.

### **II. Claim Rejections - 35 U.S.C § 102**

**Claims 1-2, 6-8, 10-12, 18-22, 26-28, 30-32, 38-41 and 44** were rejected under 35 U.S.C. 102(b) as being anticipated over Bhattacharya "Design Notes on Asynchronous I/O (aio) for Linux" (hereafter Bhattacharya).

**Claim 1** has been amended to include the limitation of changing the priorities of the requests in the request queue based on the number of events available at the event port, wherein the changing is further based on a specified number of events to be retrieved as part of at least one request received in response to the number of events available at the event port. Support for this amendment can be found, for example, on page 5, lines 6-18 of the specification as originally filed.

This amendment clarifies the distinction and thus patentability between the claimed invention and the cited prior art. Specifically, these amendments clarify the priority of the event retrieval requests and the manner in which this priority may be modified by the claimed invention

With regards to the amended limitations of Claim 1 and the previously cited teachings of Bhattacharya, it is respectfully submitted that the Bhattacharya does not teach or suggest all of the limitations of the claimed invention. Specifically, Bhattacharya does not teach or suggest (A) ordering the request queue based on priorities of the requests in the request queue and (B) changing the priorities of the requests in the request queue based on a number of events available at a completion port, wherein the changing is further based on a specified number of events to be retrieved as part of a request received in response to the number of available events.

Regardless, none of these sections discuss ‘ordering’ the items in a queue based on priorities, as is claimed in amended Claim 1. In contrast, the cited sections suggest ‘separate queues for different priorities’ and building “an aggregate queue (virtual) queue” (section 5, page 10). Separate queues are not equivalent or suggestive of “a request queue” that has been ordered based on priorities of the requests queued therein. A virtual queue is also not the same as the claimed





are considered as a whole. As such, withdrawal of the rejection of Claim 1 is respectfully requested.

So far as **Claims 2, 6-8, 10-12, 18-22, 26-28, 30-32, 38-41 and 44** depend from Claim 1 or have been amended to include similar limitations, it is respectfully submitted that these claims are allowable for at least the same reasons listed above. In light of the above remarks, withdrawal of the rejections of each of these claims is respectfully requested.

### **III. Claim Rejections - 35 U.S.C § 103**

**Claims 4, 5, 9, 24, 25, 29, 33, 35, 37 and 43** were rejected under 35 U.S.C. 103(a) as being unpatentable over Bhattacharya.

So far as **Claims 4, 5, 9, 24, 25, 29, 33, 35, 37 and 43** depend from amended Claims 1, 21, and 41, it is respectfully submitted that these claims are allowable for at least the same reasons listed above. It is also noted that Claim 29 has been amended herein in order to clarify the proper dependency for the claim. In light of the above remarks, withdrawal of the rejections of each of these claims is respectfully requested.

**Claims 3, 23 and 42** are rejected under 35 U.S.C. 103(a) as being unpatentable over Bhattacharya in view of Benhase et al, U.S. Patent No. 6,745,262 (hereafter Benhase).

So far as **Claims 3, 23 and 42** depend from amended Claims 1, 21, and 41, it is respectfully submitted that these claims are allowable for at least the same reasons listed above. In light of the above remarks, withdrawal of the rejections of each of these claims is respectfully requested.

**Claims 14 and 16** were rejected under 35 U.S.C. 103(a) as being unpatentable over Bhattacharya in view of Lucovsky et al, U.S. Patent No. 6,223,207 (hereafter Lucovsky).

So far as **Claims 14 and 16** depend from amended Claim 1, it is respectfully submitted that these claims are allowable for at least the same reasons listed above. In light of the above remarks, withdrawal of the rejections of each of these claims is respectfully requested.

**CONCLUSION**

In view of the above amendment, applicant believes the pending application is in condition for allowance.

Dated: October 25, 2007

Respectfully submitted,

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